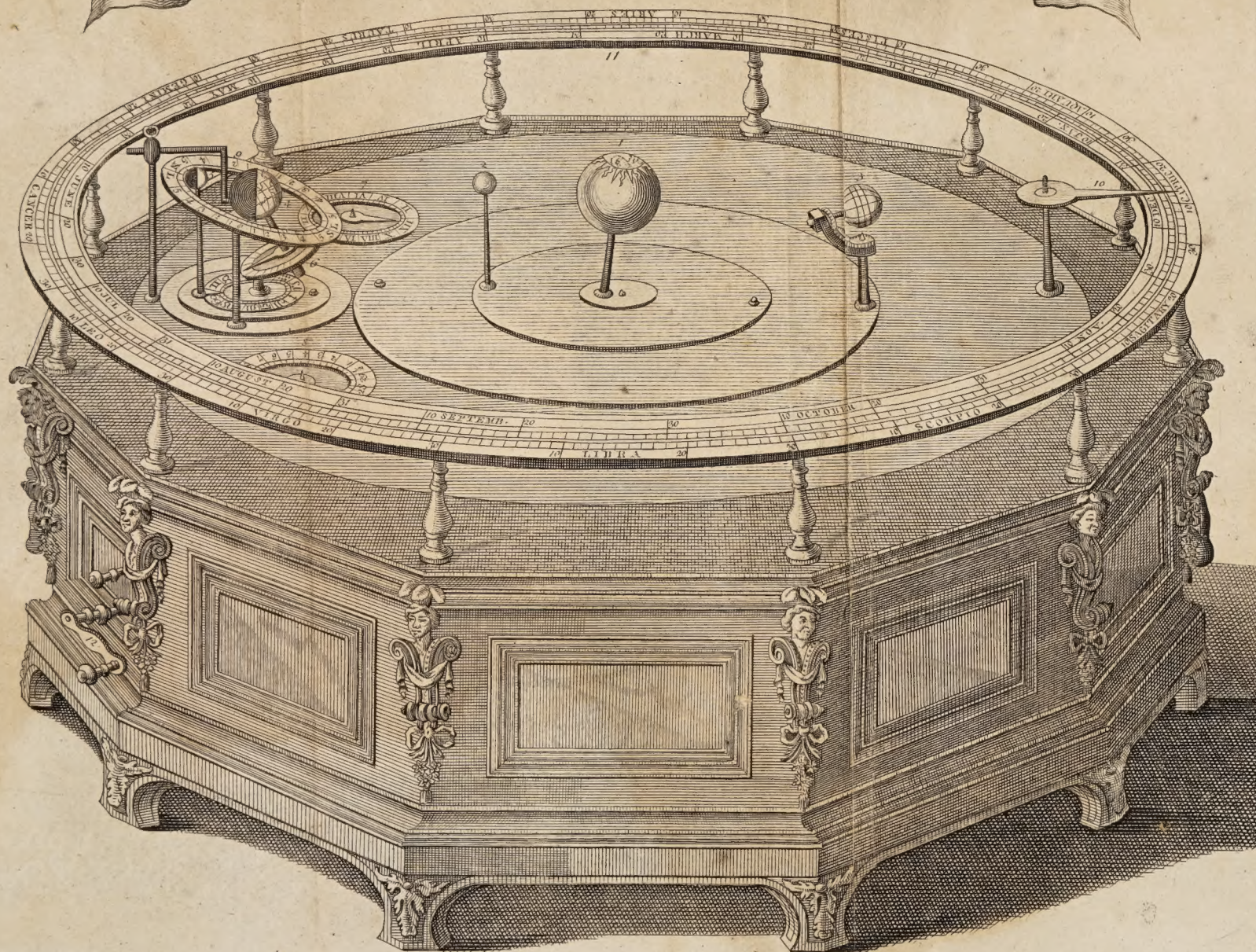


The ORRERY, made by *JAMES FERGUSON*.



*N. 1. The Sun, 2. Mercury, 3. Venus, 4. The Earth, 5. The Moon, 6. The Syderal Dial plate, 7. The Hour Circle, 8. y. Circle for y. Moon's Op.
9. The Moon's Orbit, 10. y. Pointer, shewing the Sun's Place & Day of the Month, 11. The Ecliptic, 12. The Handle for turning y. whole machine*

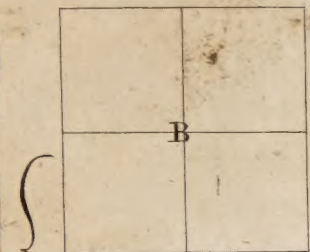


Fig. III.

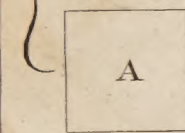


Fig. III.

Aries ♈	Taurus ♉	Gemini ♊
Cancer ♋	Leo ♌	Virgo ♍
Libra ♎	Scorpio ♏	Sagittarius ♐
Capricornus ♑	Aquarius ♒	Pisces ♓



Fig. I.

Fig. V.

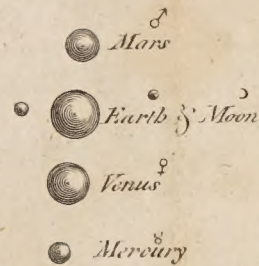
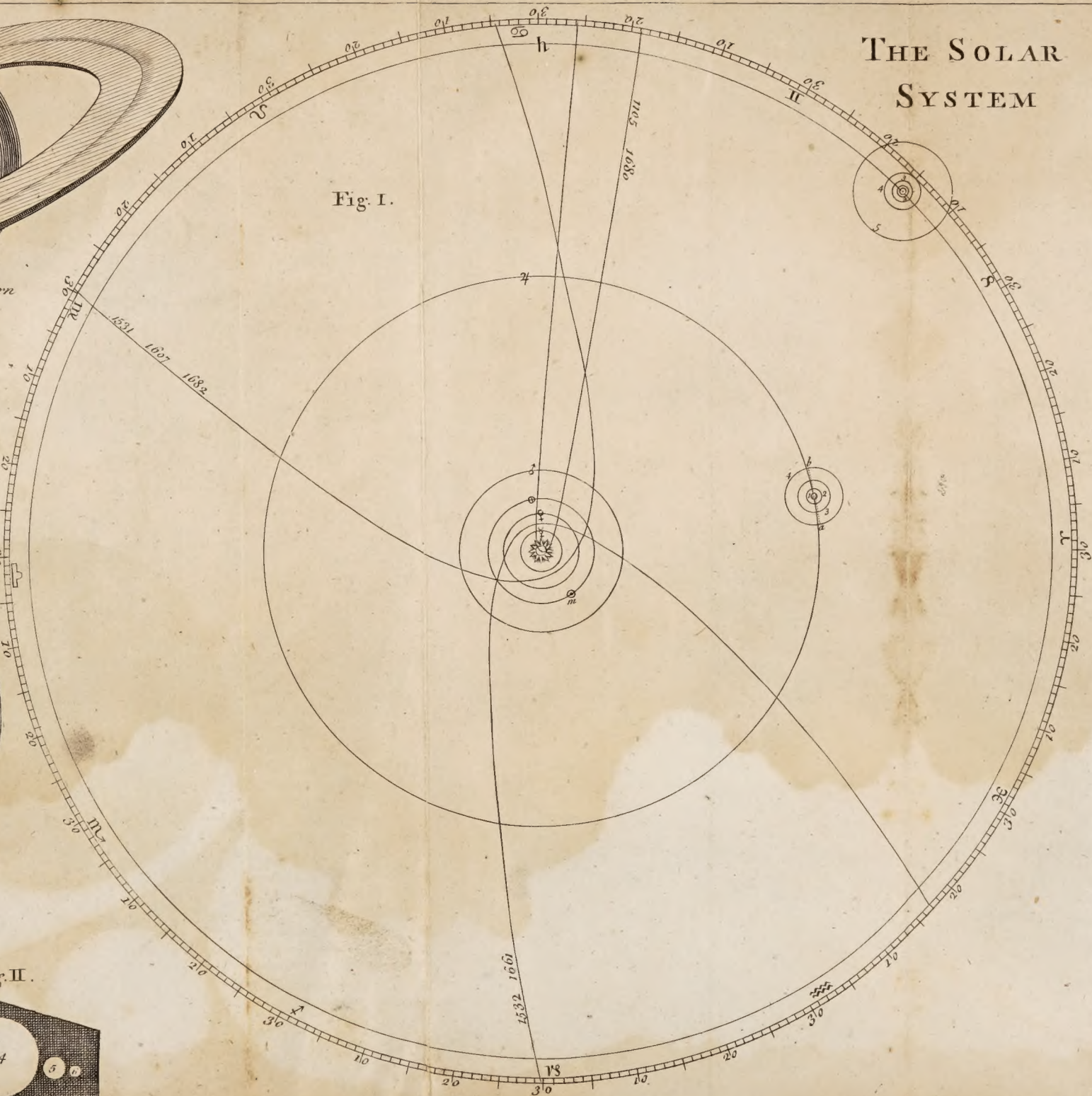


Fig. II.



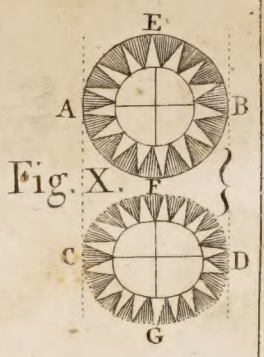
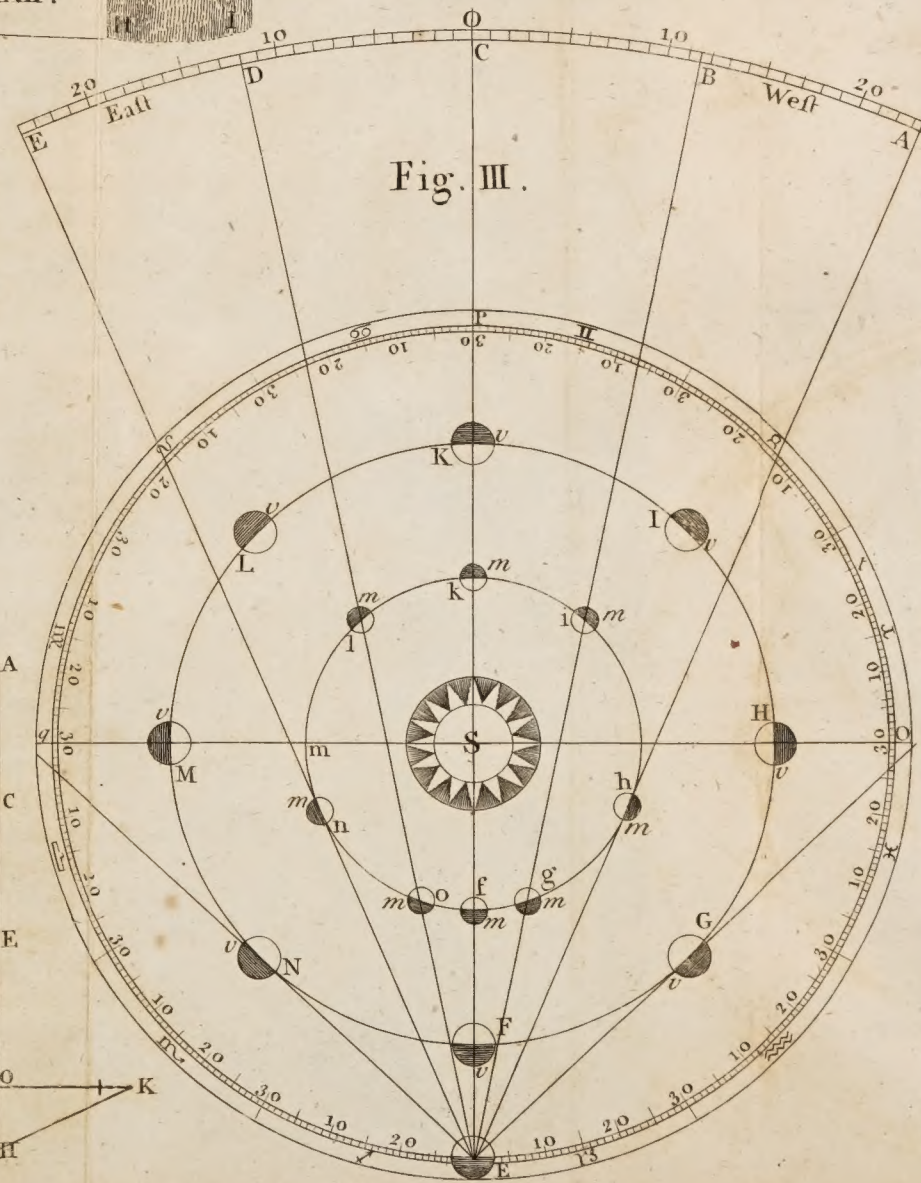
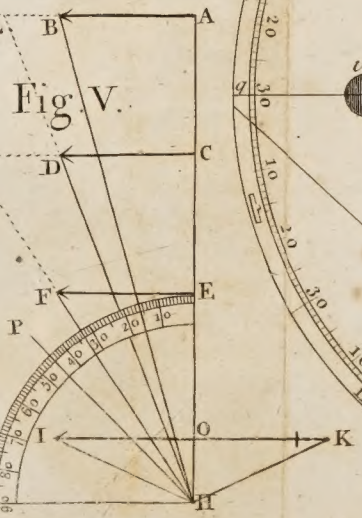
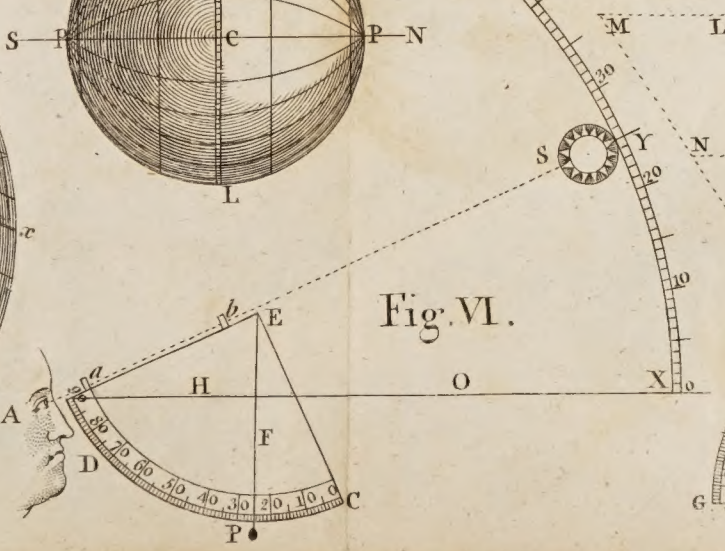
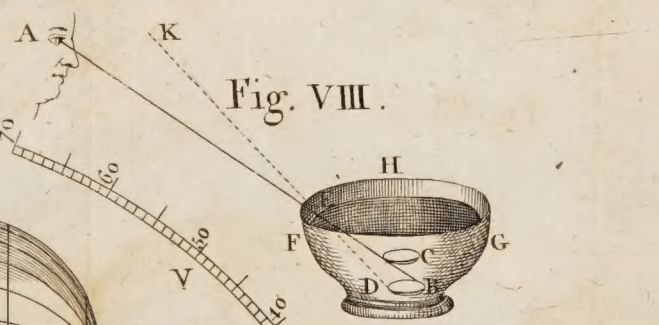
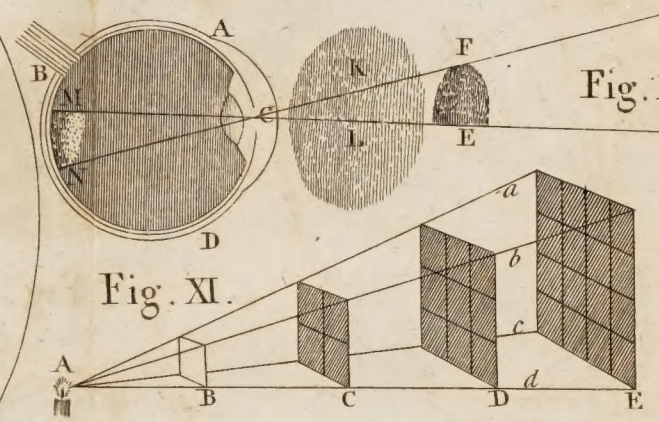
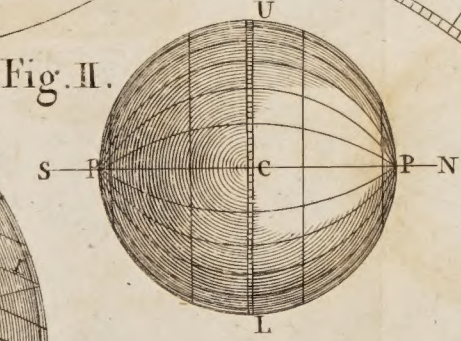
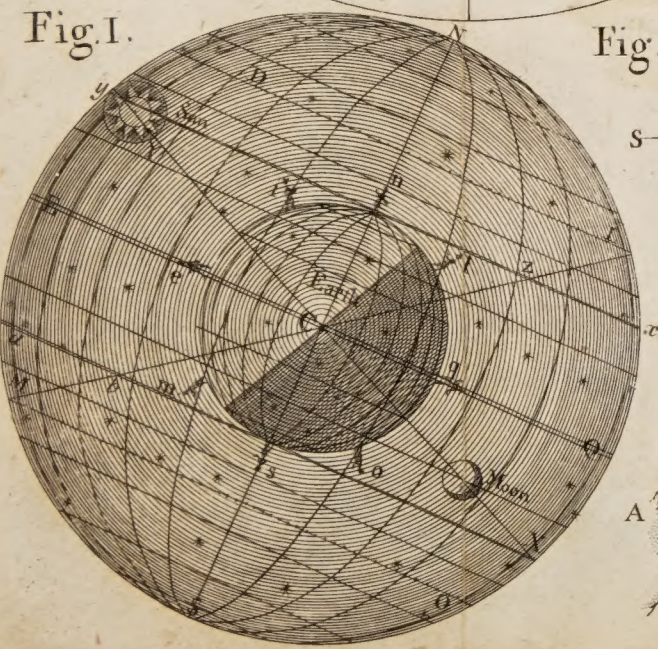
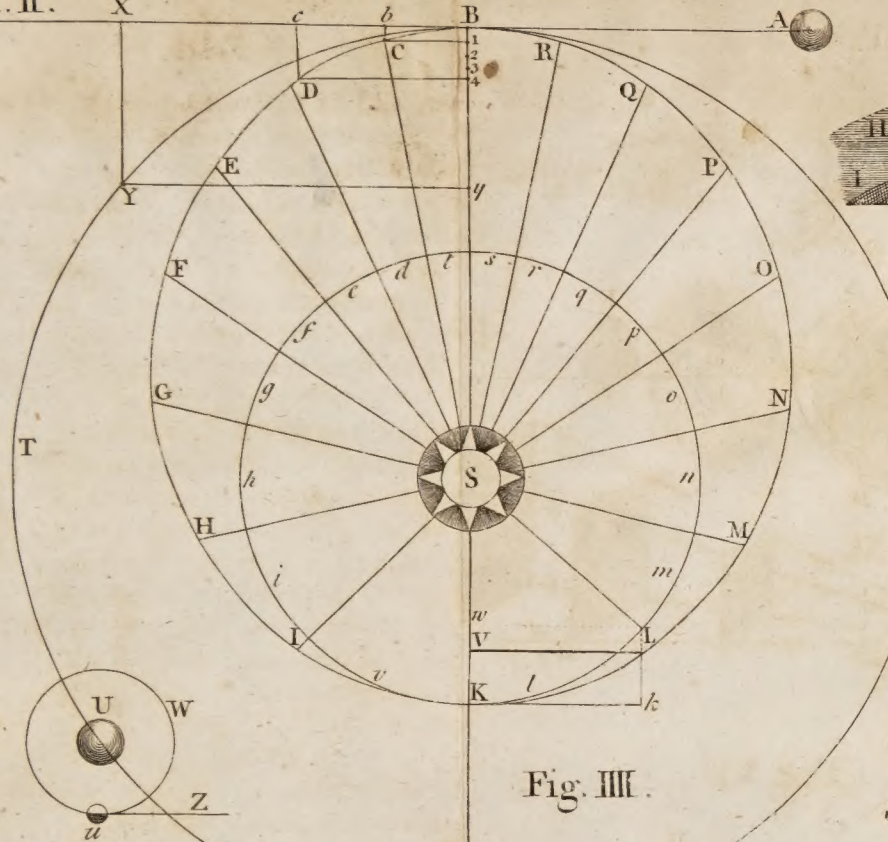
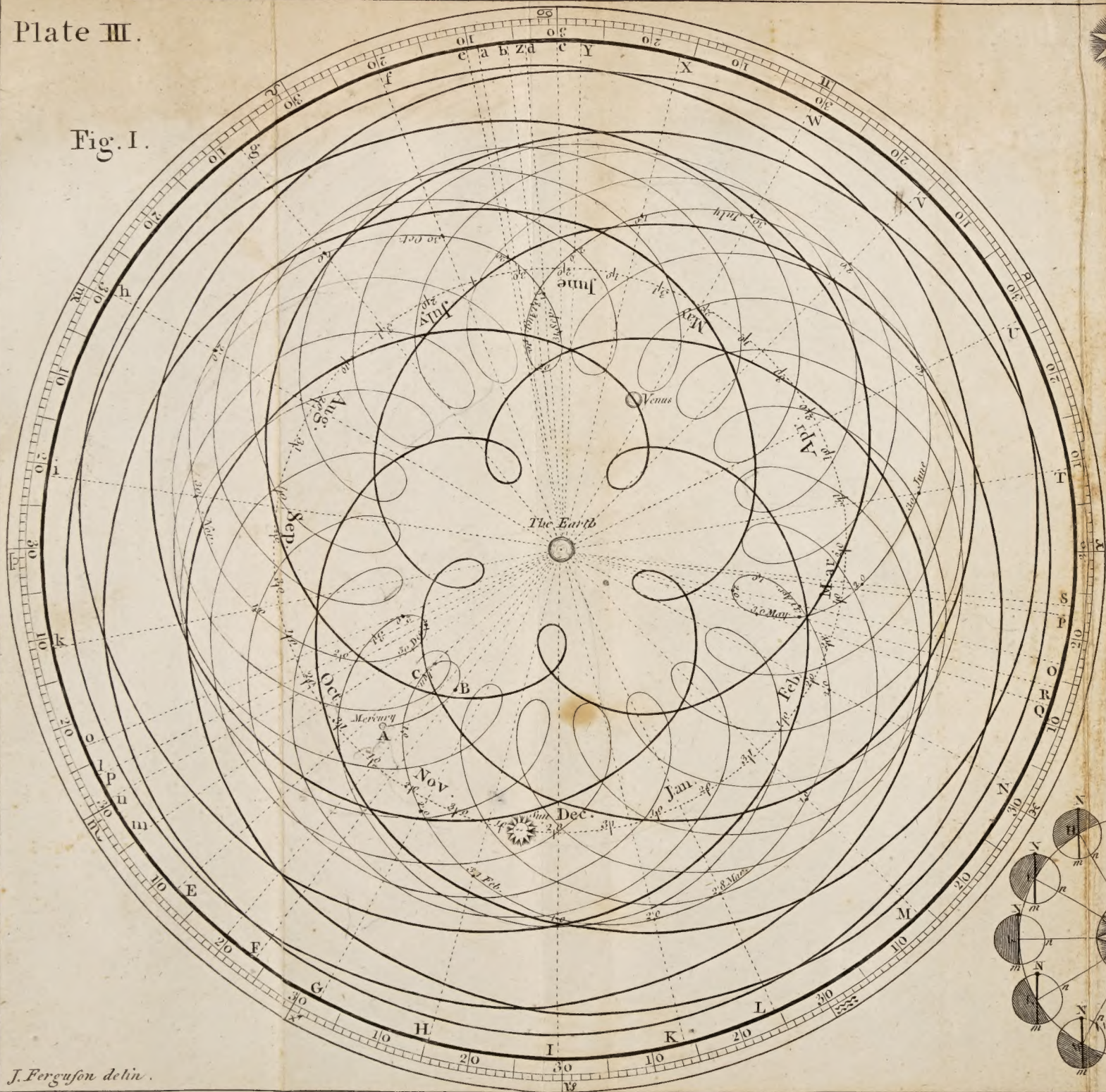


Fig. I.



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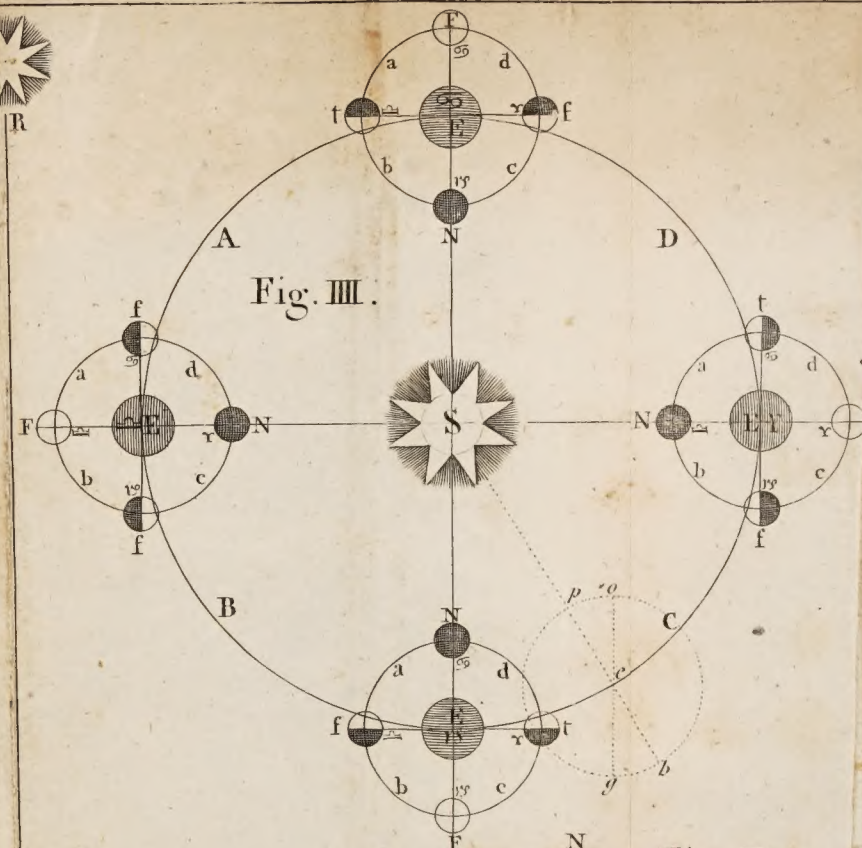


Fig. III.

Fig. II.

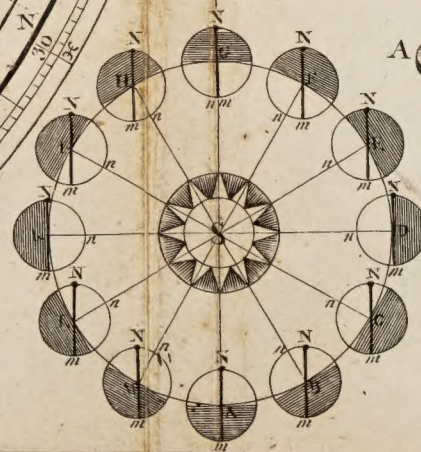
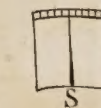


Fig. III.



J. Mynde sc.

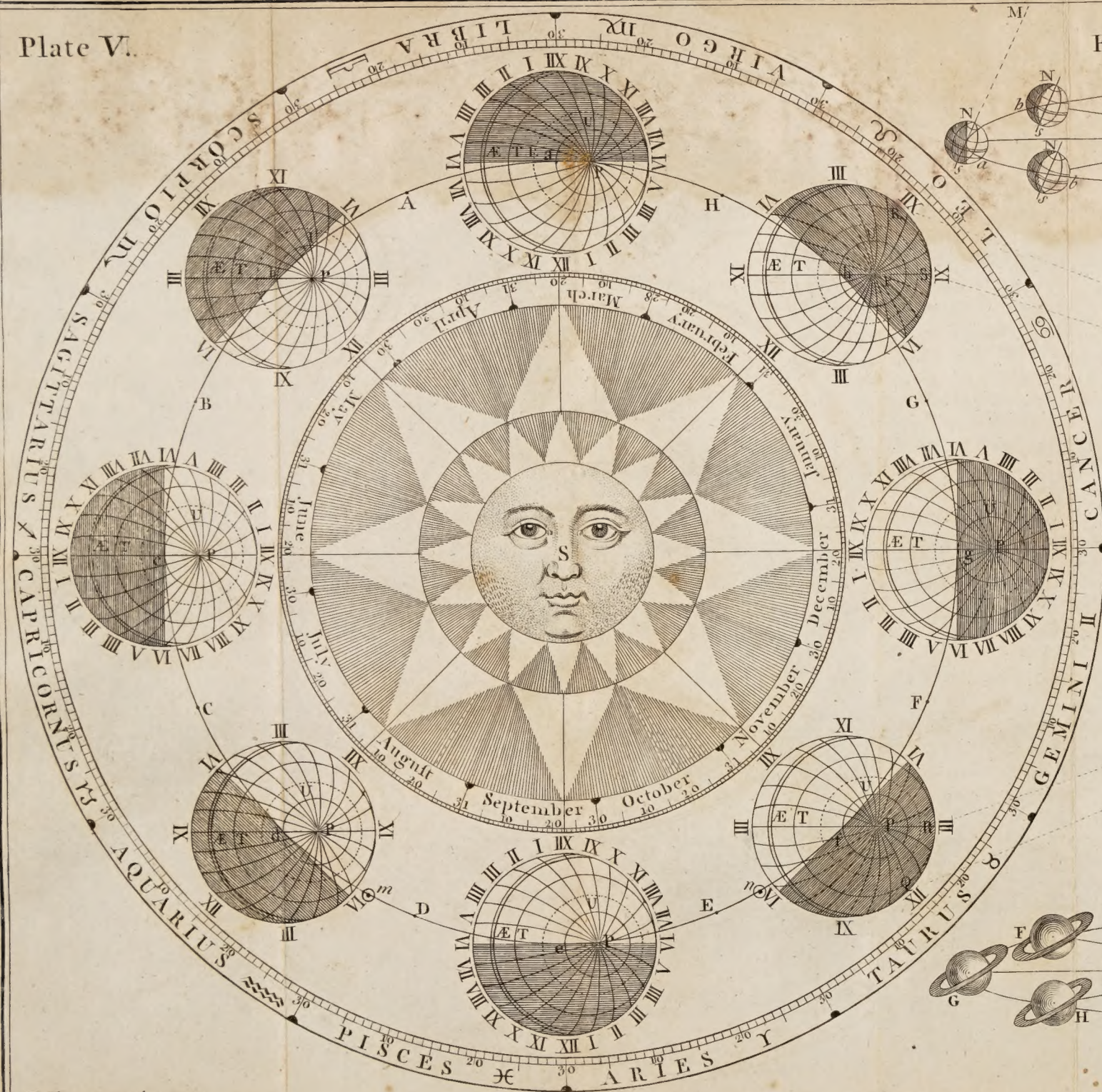


Fig. I.

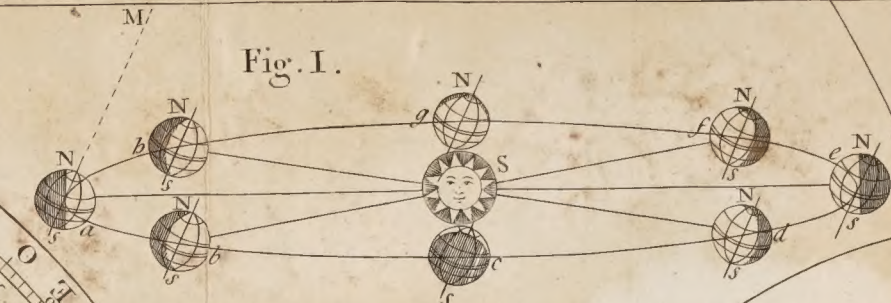


Fig. II.

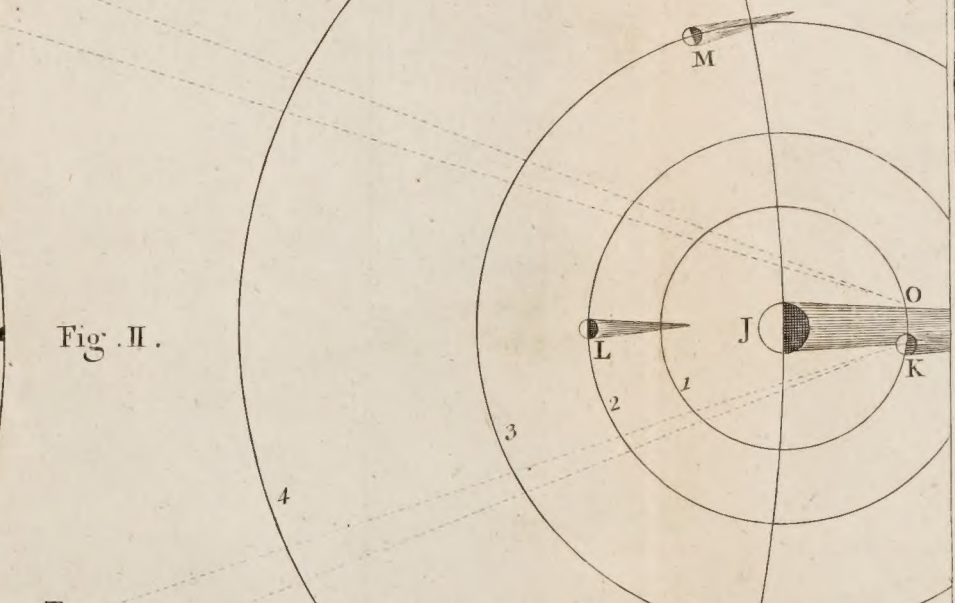


Fig. III.





Fig. V.



Fig. III.

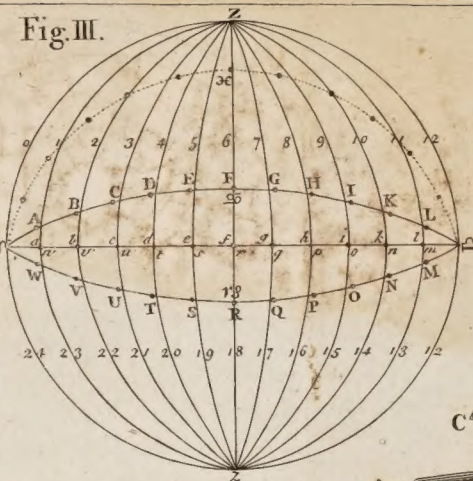


Fig. II.

Fig. VI.

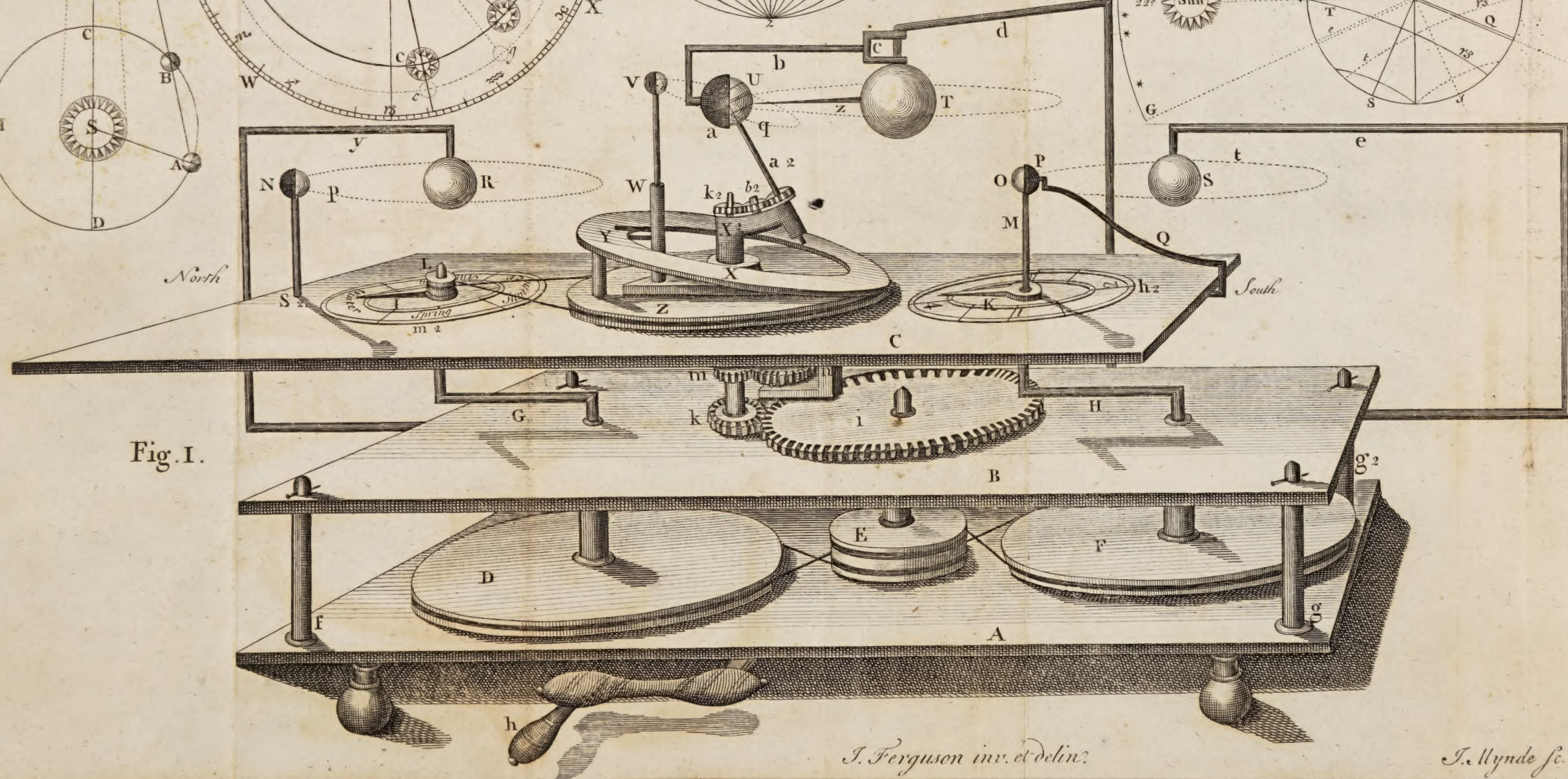
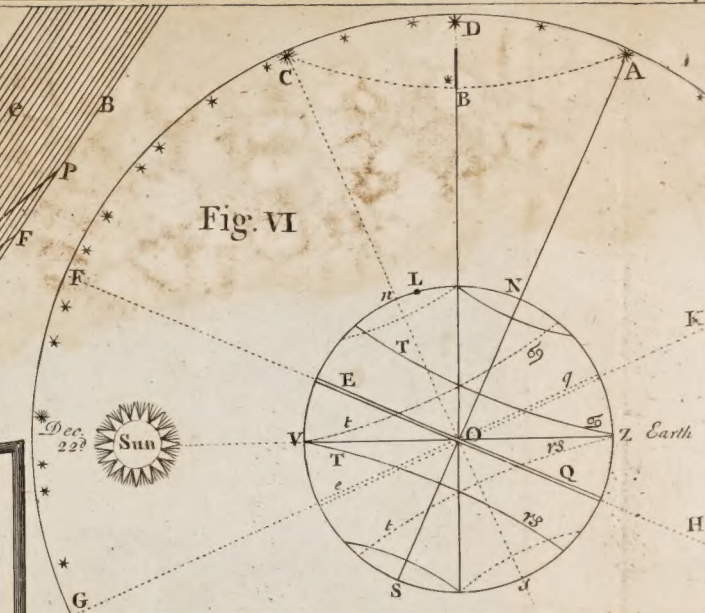


Fig. I.

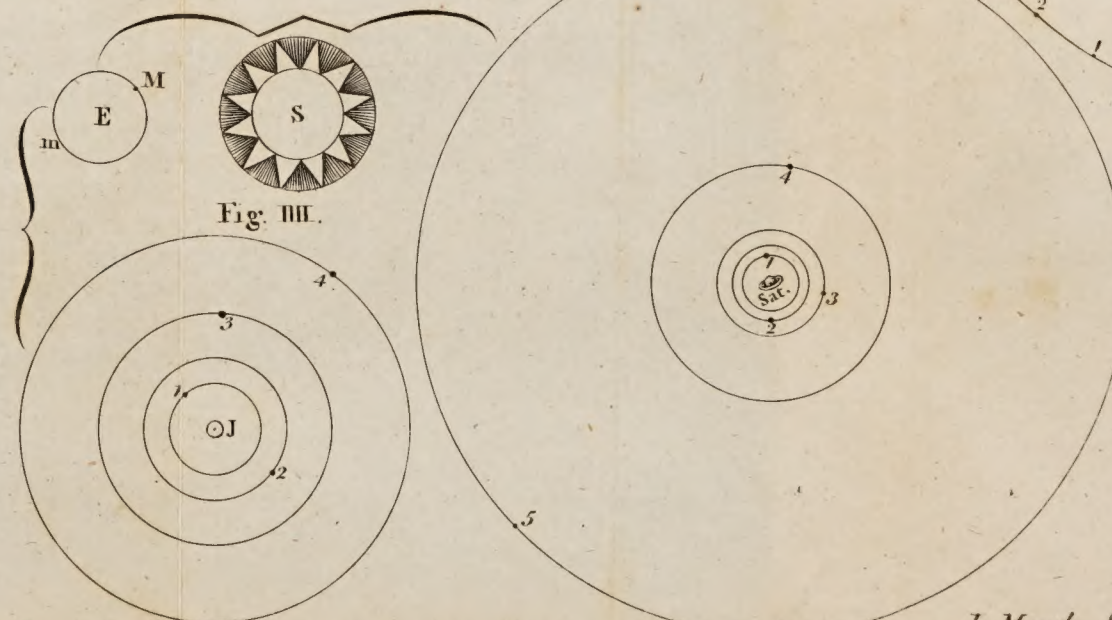
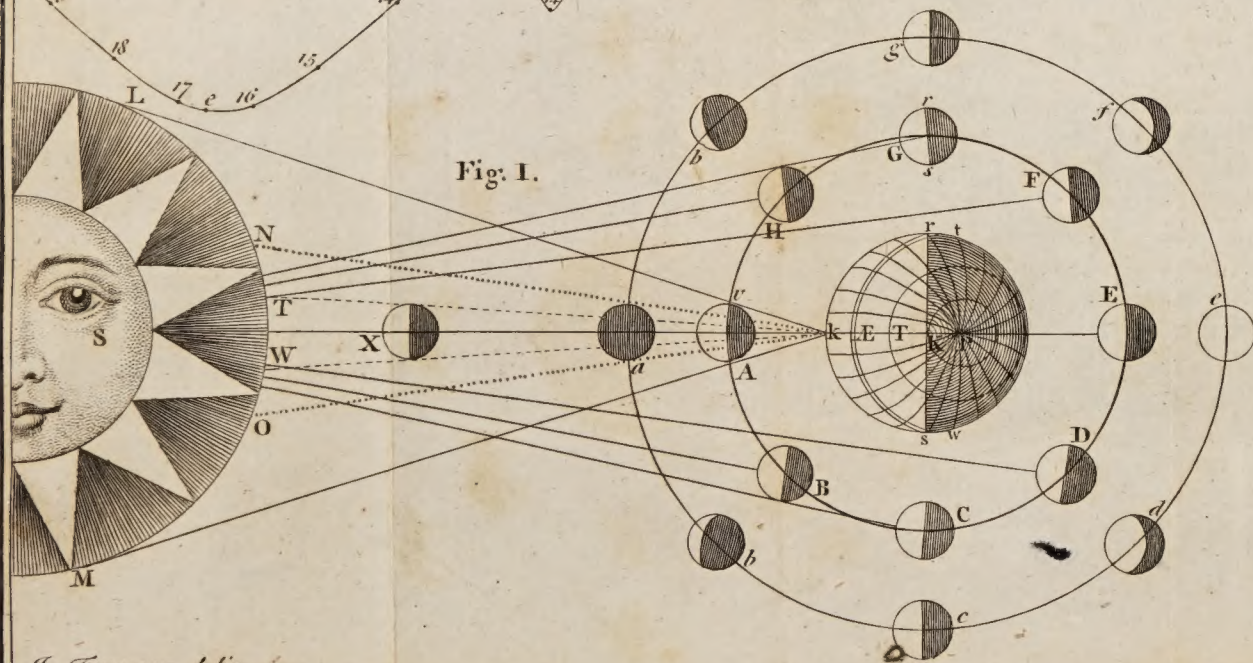
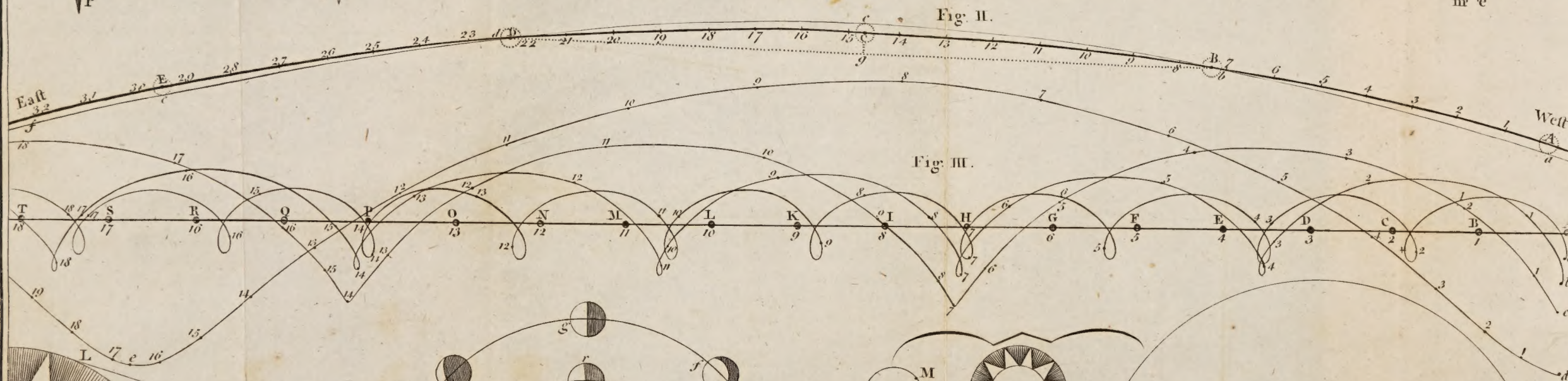
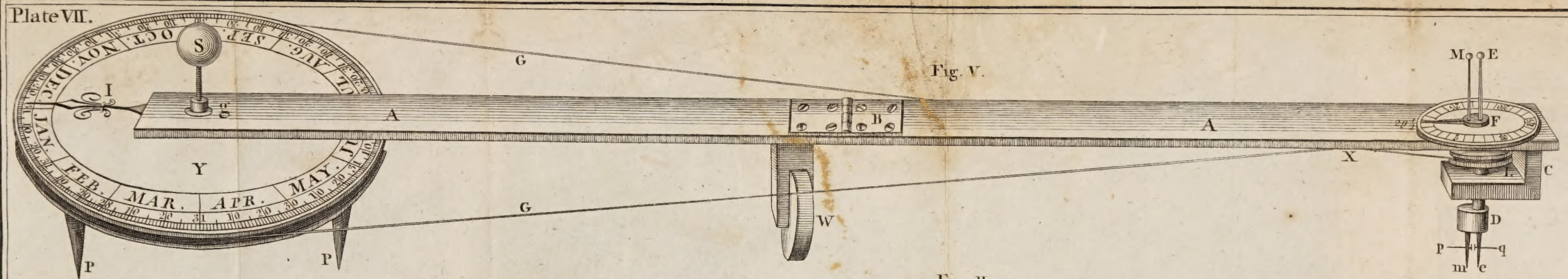


Fig. I.

Fig. II.

Fig. III.

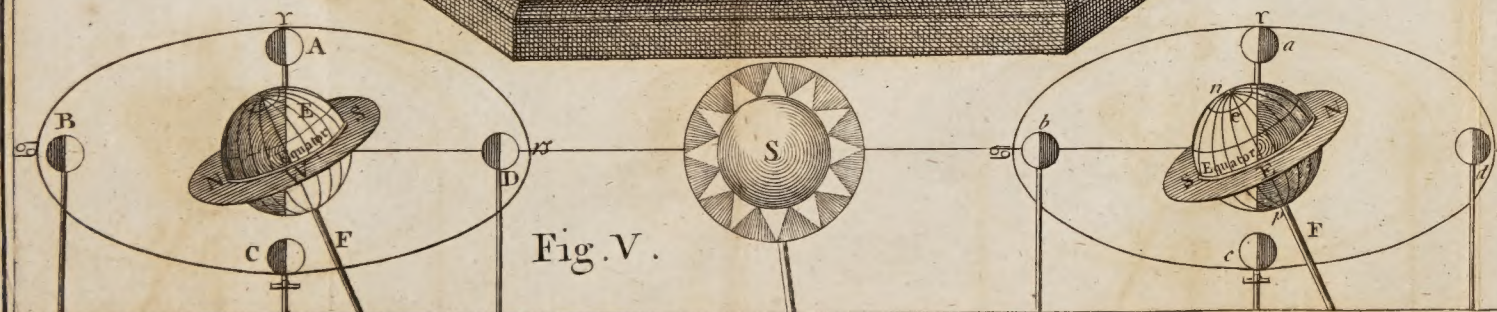
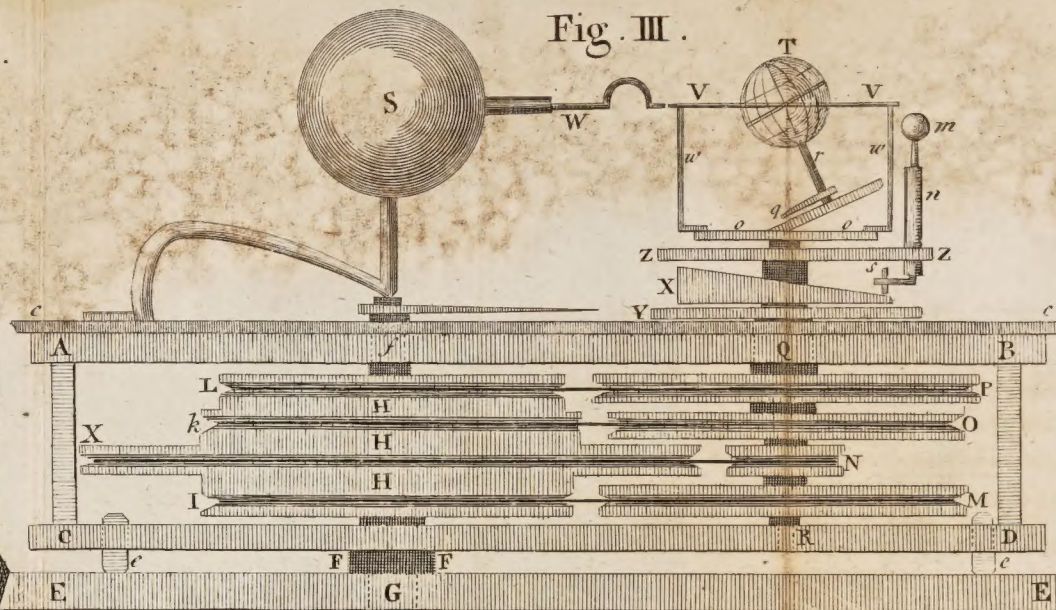
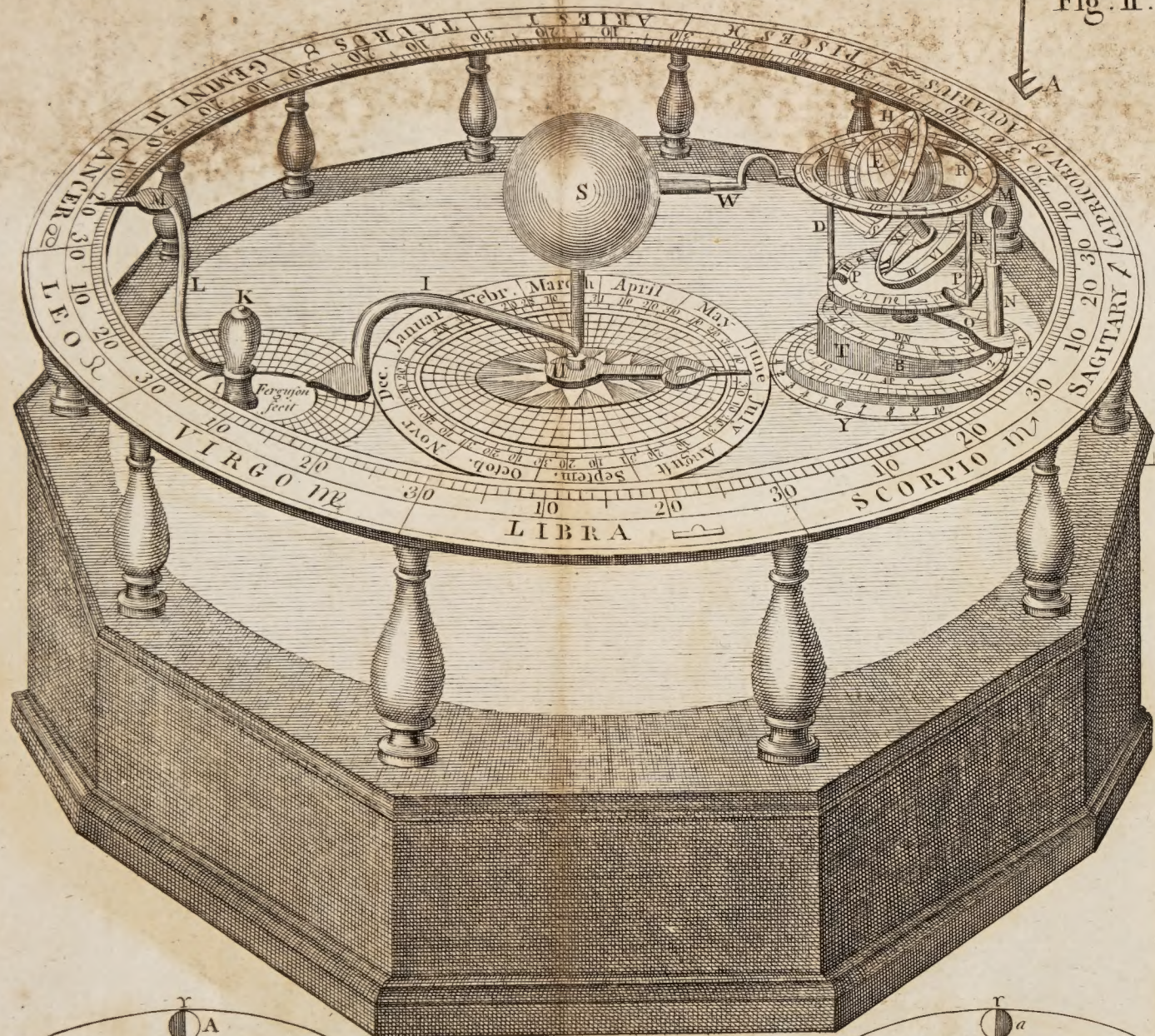


Fig. V.

Fig. I.

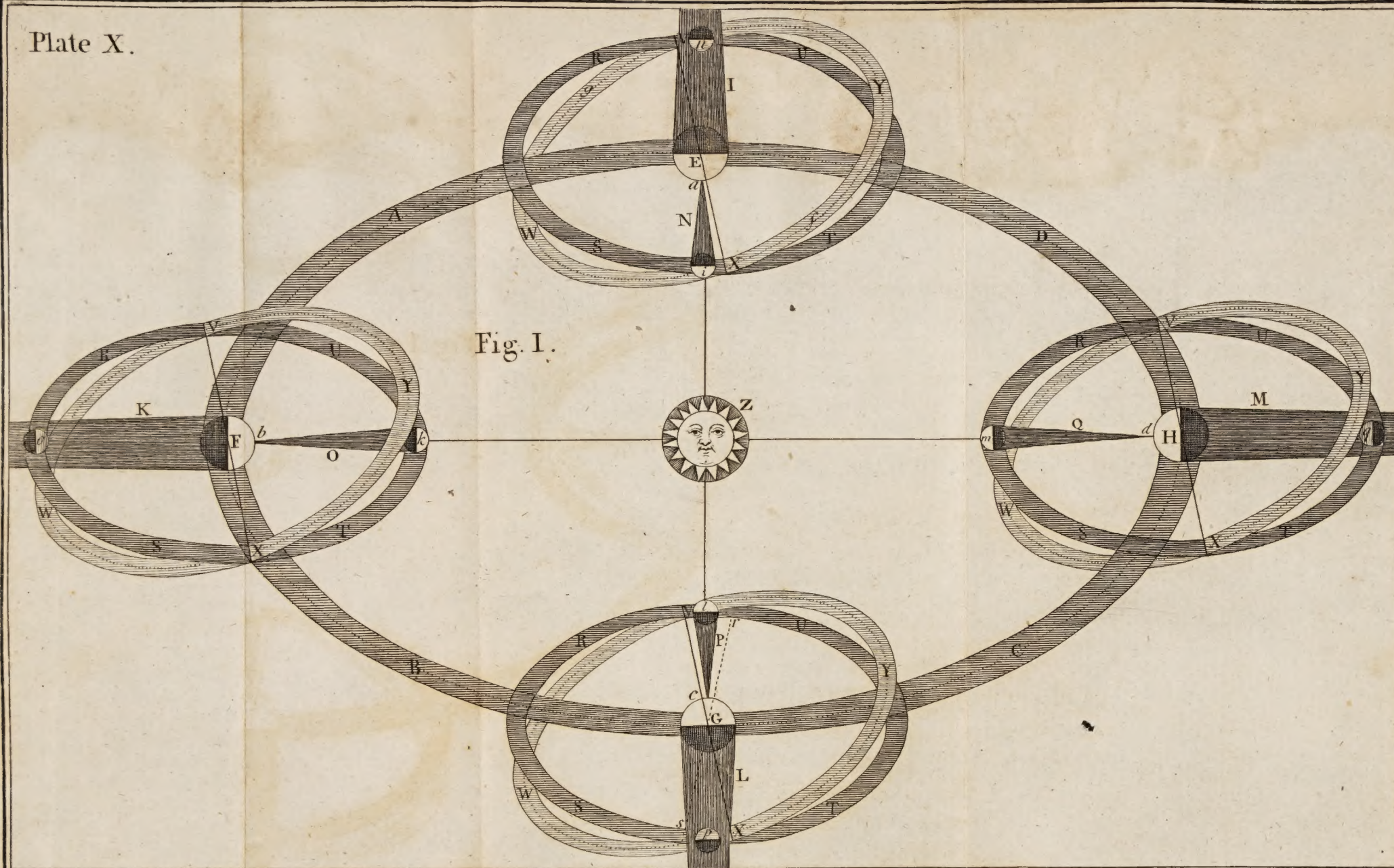


Fig. II.



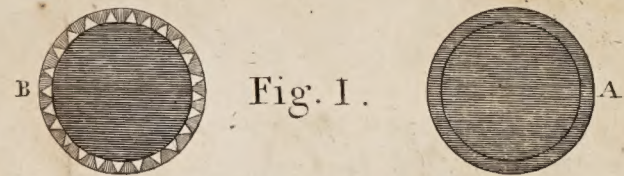


Fig. I.

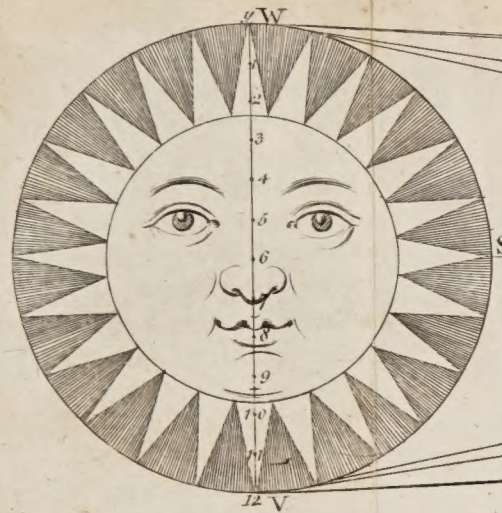


Fig. II.

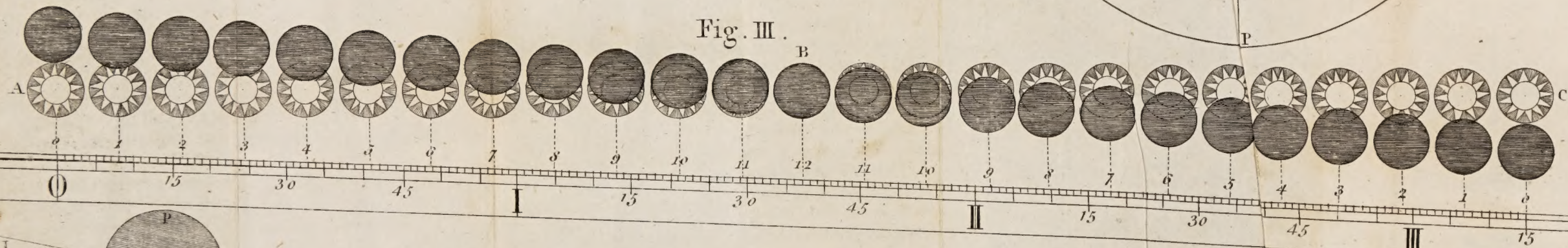
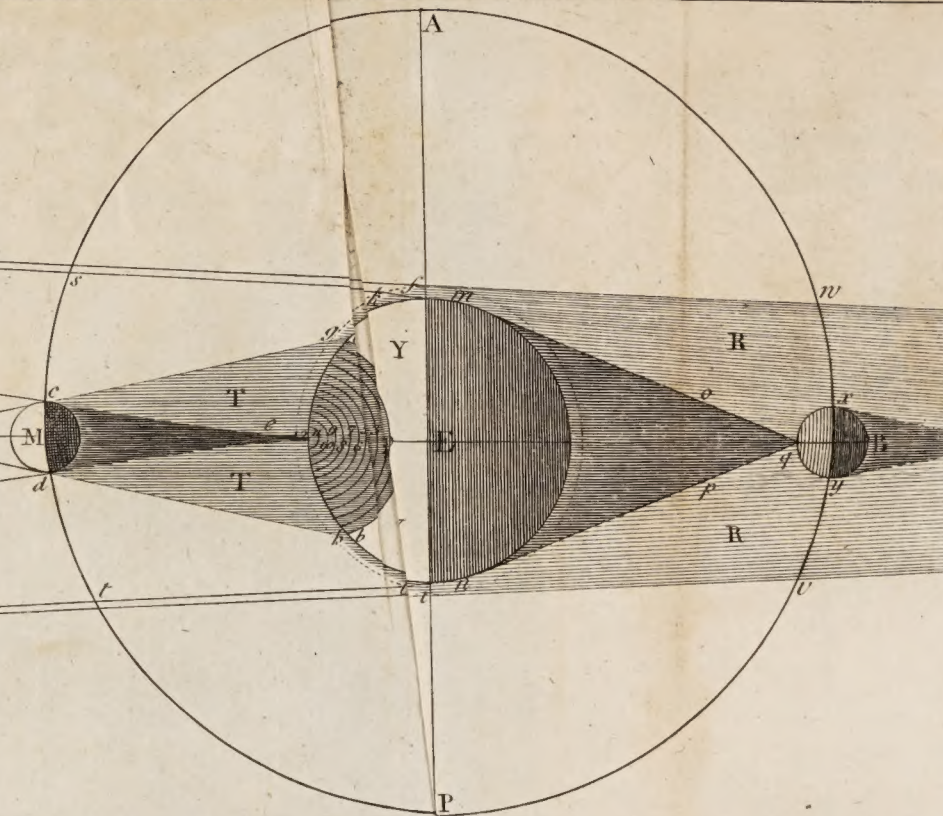


Fig. III.

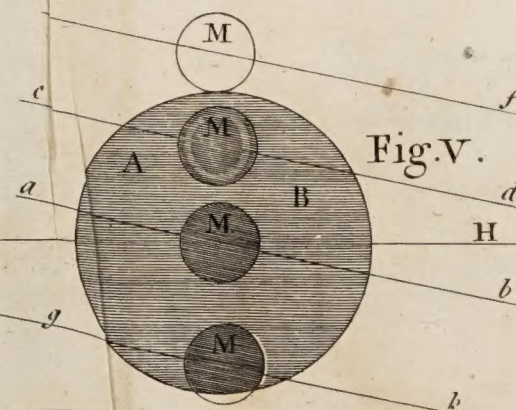
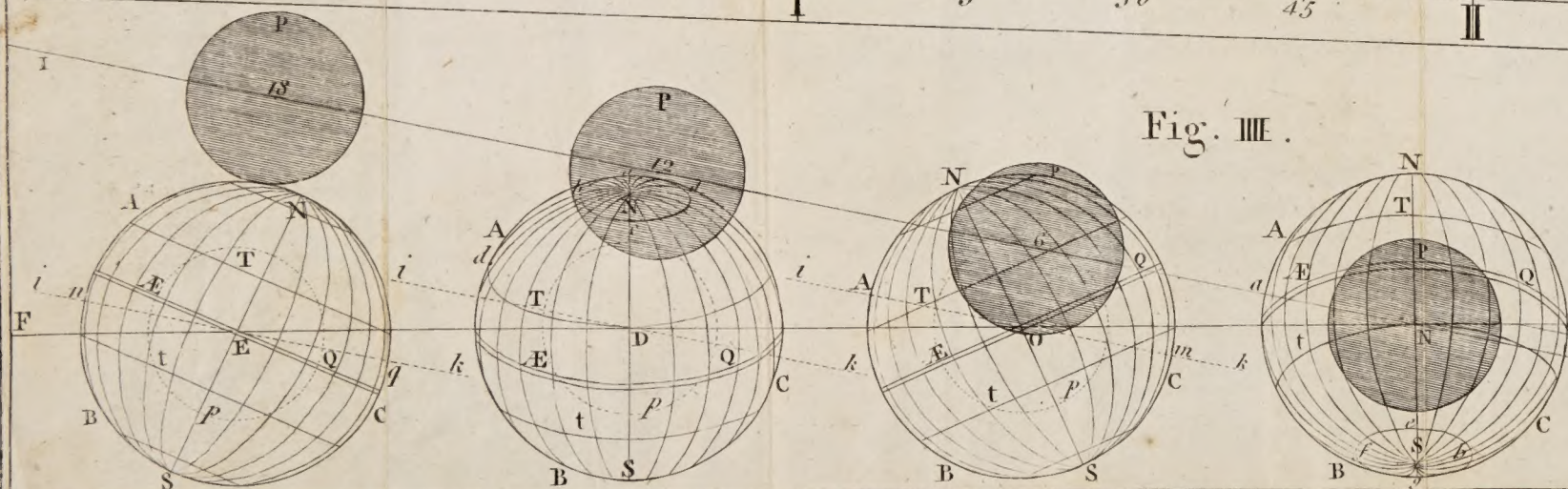
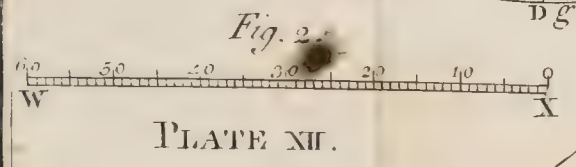
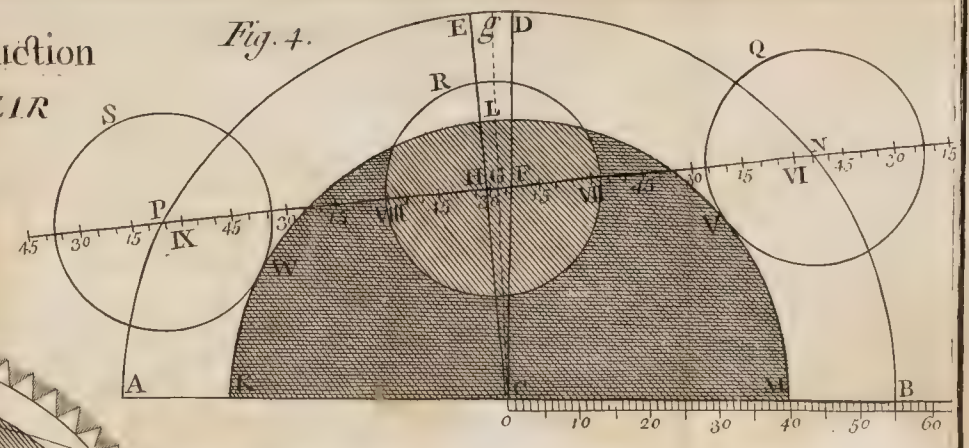
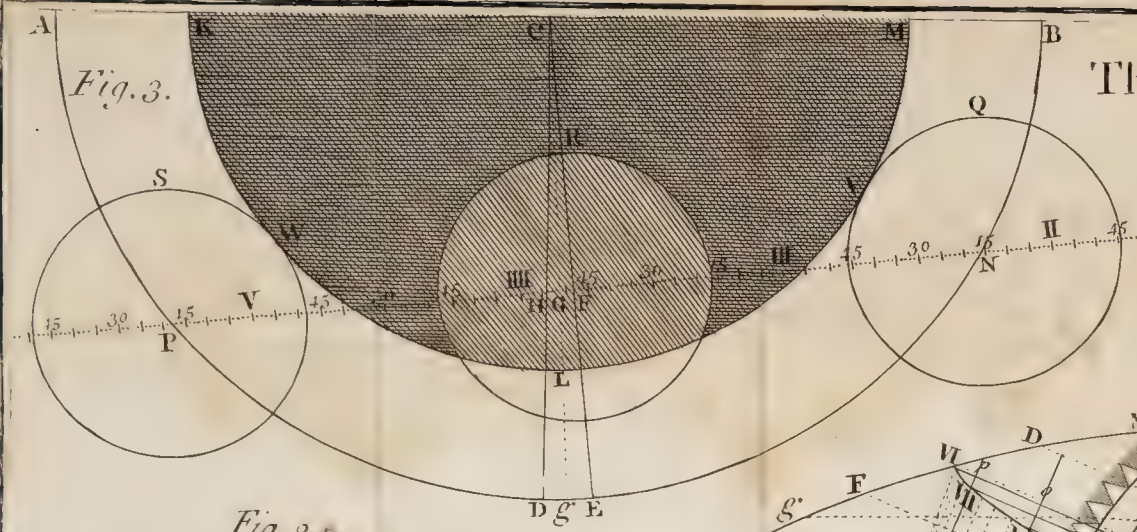


Fig. V.

The Geometrical Construction of SOLAR and LUNAR ECLIPSES.



Path of the Penumbra's Center.

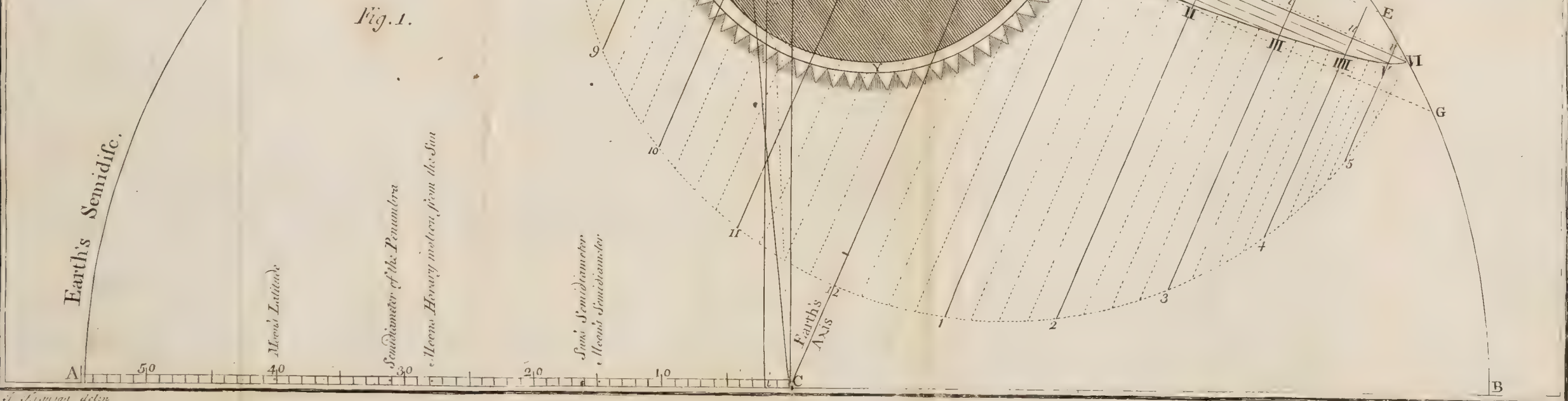
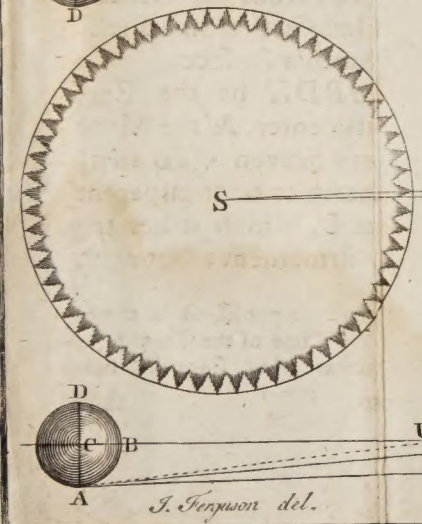
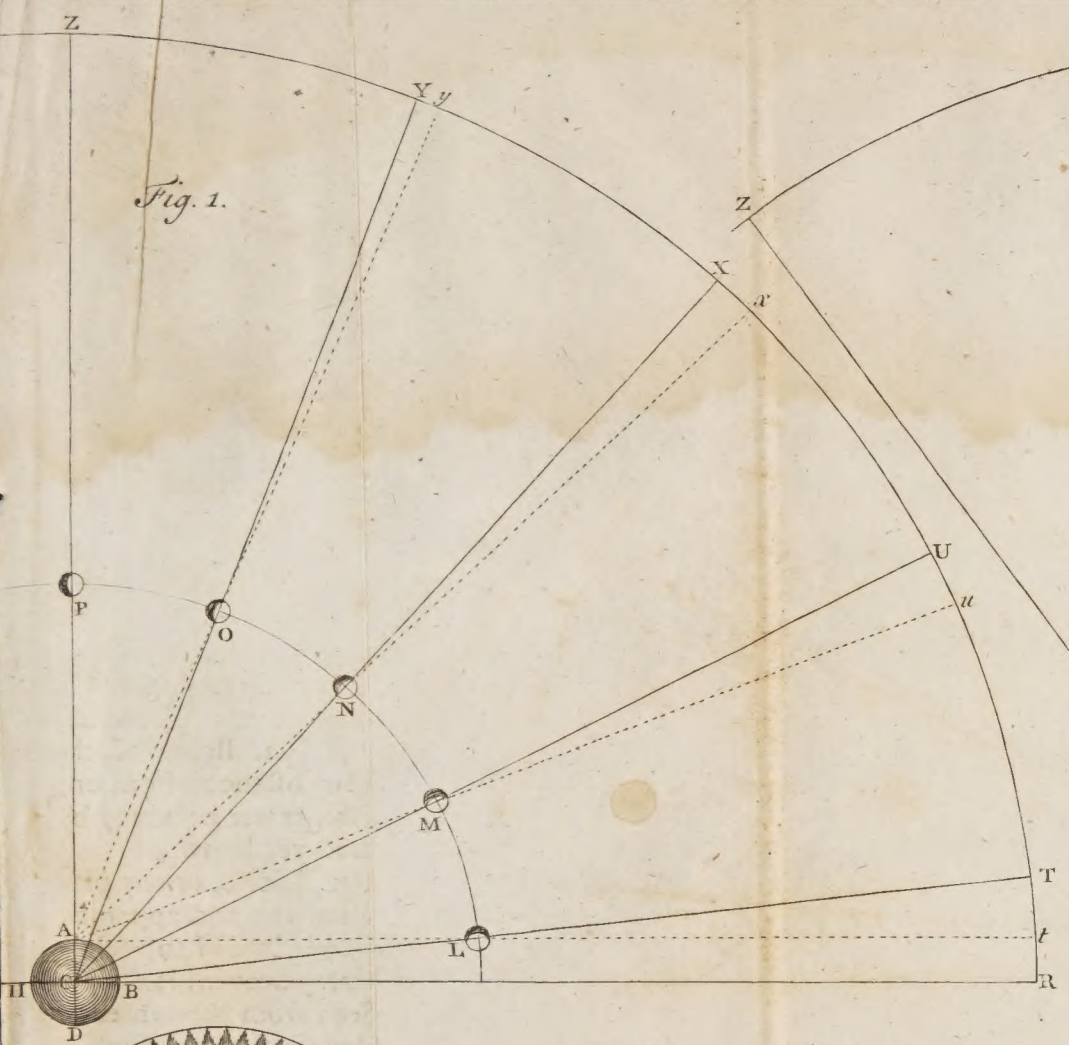


Fig. 1.



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Fig. 2.

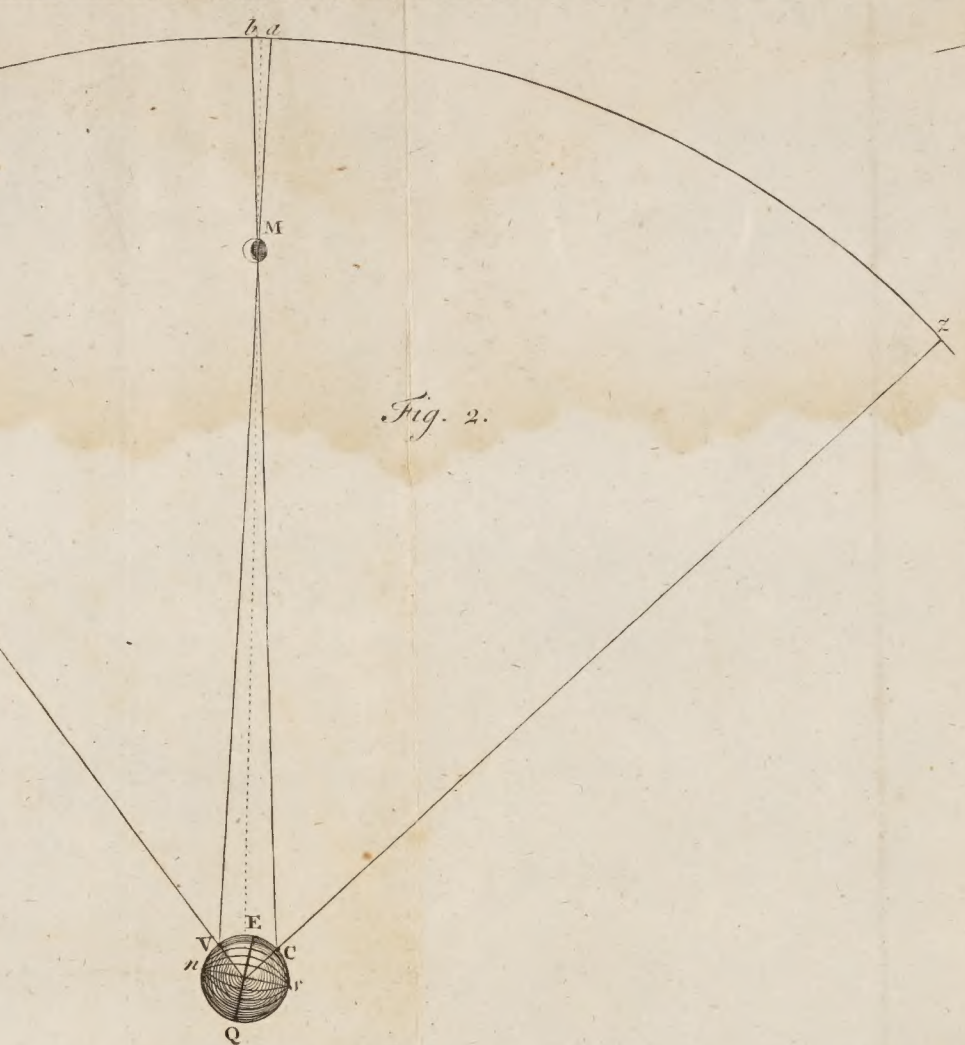


Fig. 3.

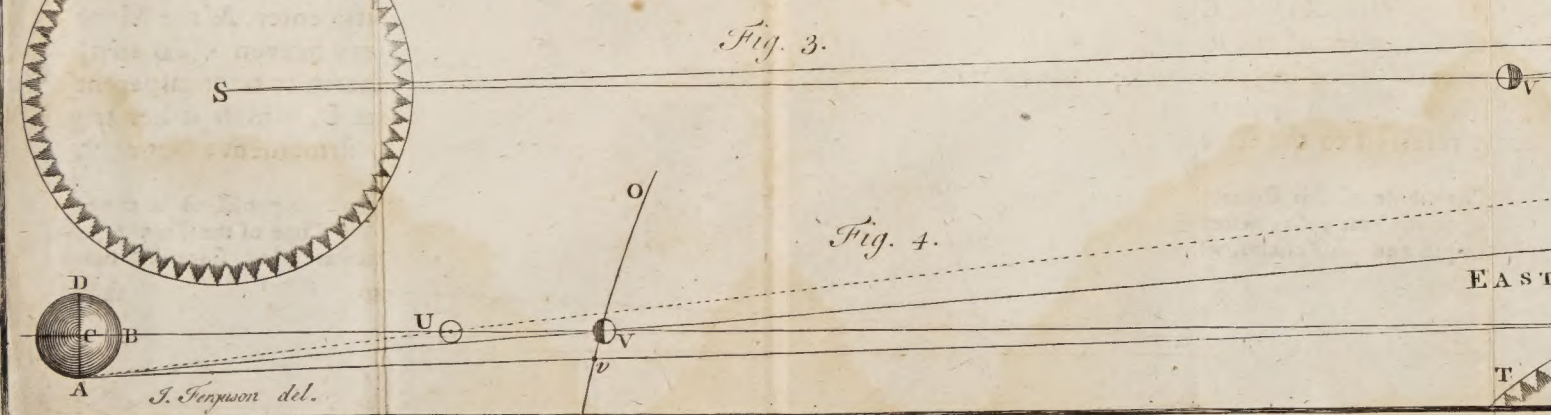


Fig. 4.

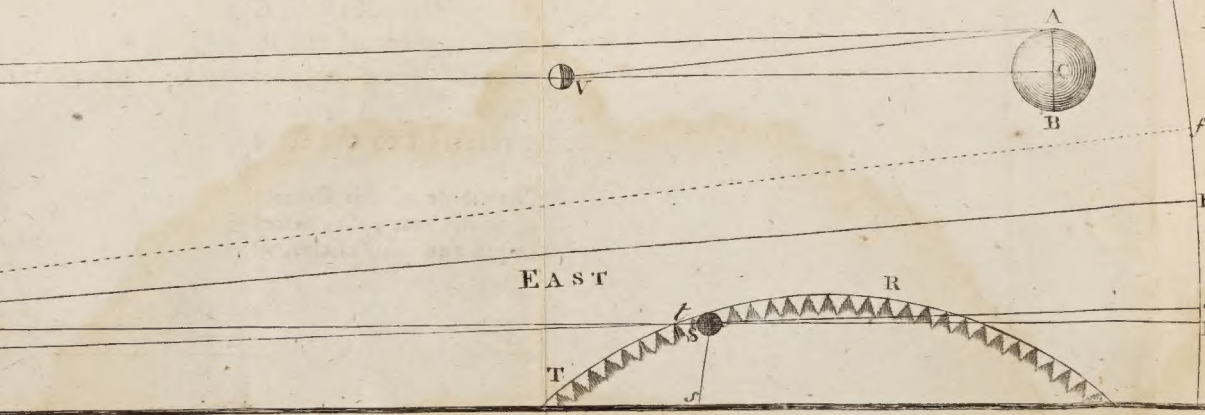
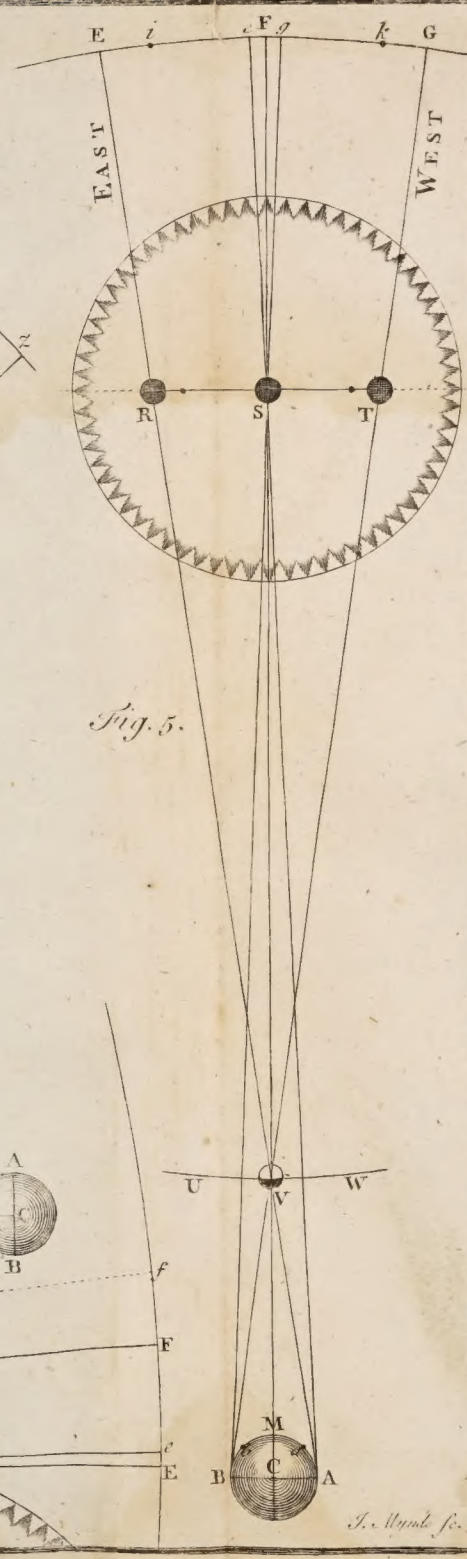


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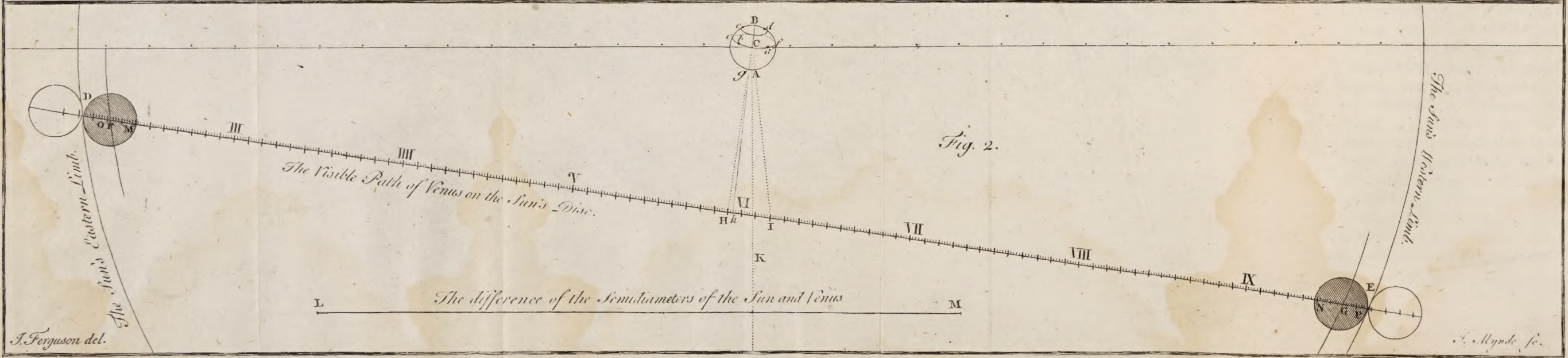
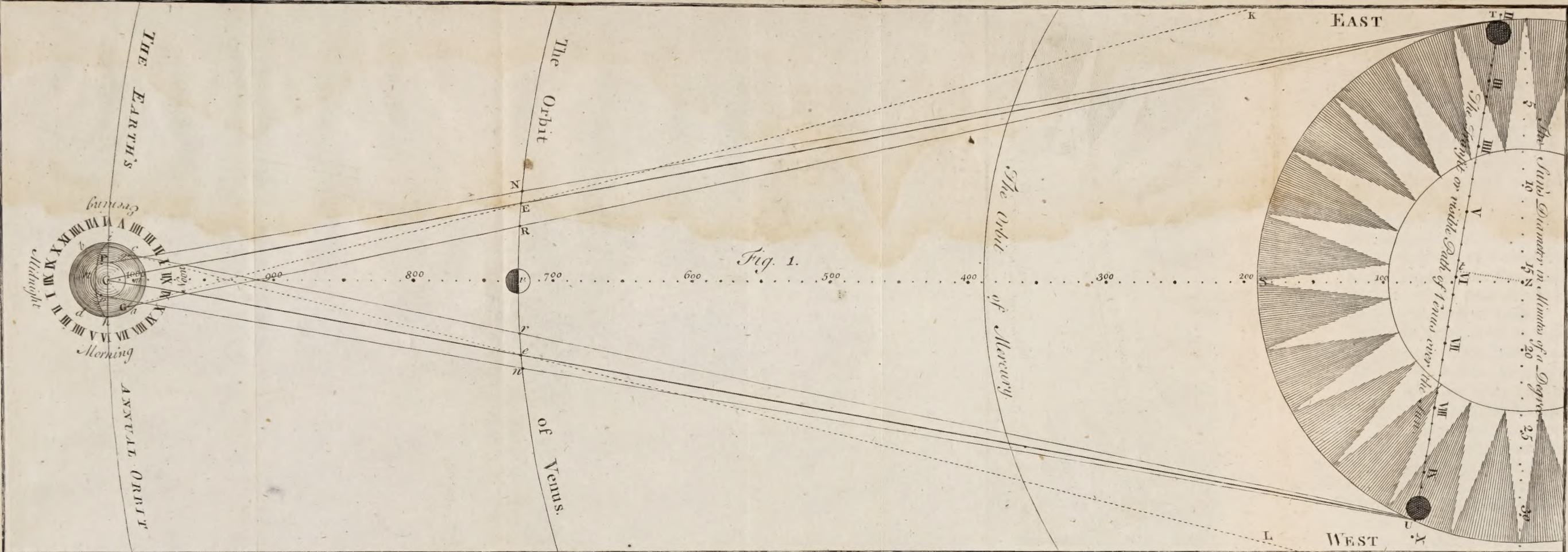


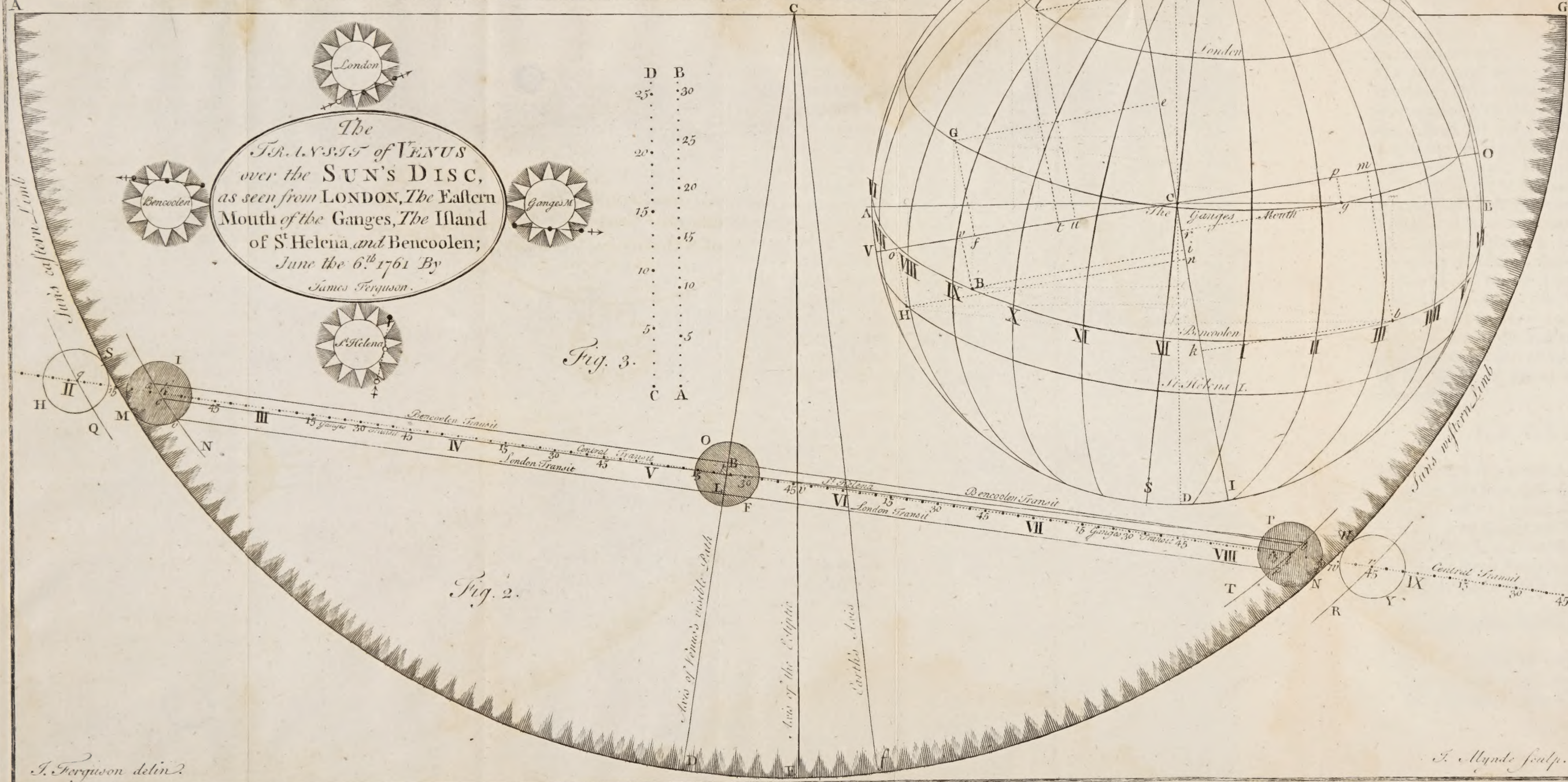
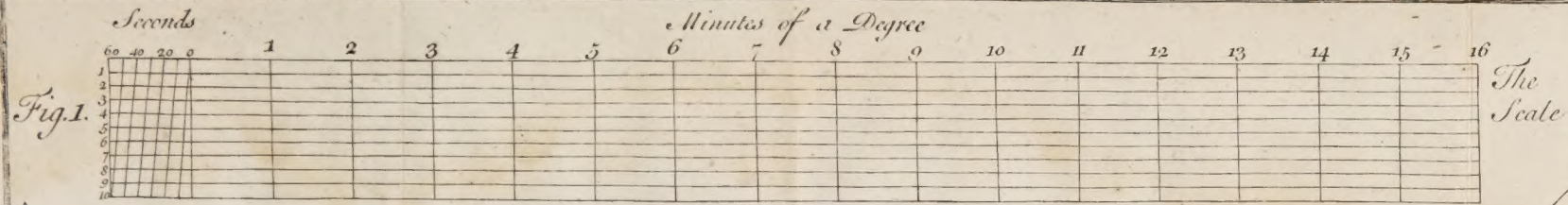
Distance of
P & Q from same
be their Mean
Distance

22.4

What the fontal
Parabolas of Sun

J. Munk sc.





A MAP of the EARTH, Upon which are marked the Hours and Minutes of true Times of the Entrance and Exit of VENUS, in its Passage over the SUN'S DISC, June 6th 1761. The Times are computed to the Meridian of LONDON, and that which is expressed upon each dotted Line shews when the Transit begins or ends at all those Places which the same Line passes through. The beginning is between II and III in the Morning and the end between VIII and IX. The four black curve Lines shew at what Places the Transit begins, and at what Places its ends, both at Sun-rising and Sun-setting.

